

15-57-10-14928

· Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,  
pp 265-266 (USSR)

· AUTHOR: Geront'yev, V. I.

TITLE: The Means and Potentialities of Developing Mine  
Transportation in the Coal Extraction Industry  
(Puti i perspektivy razvitiya rudnichnogo transporta v  
ugol'noy promyshlennosti)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1956, Vol 33, Nr 1, pp 3-10

ABSTRACT: The ideal arrangement in connecting the different  
transportational links in the coal-extraction process  
is the complete use of a conveyer system. It remains  
to perfect the construction of mine conveyor systems  
for increase of production, length of workings, and  
for increasing the efficiency of mine operation.  
Experiments with domestic constructions have permitted  
increasing the length of the working up to 1,000 m with  
an hourly production of approximately 350 tons and on

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The Means and Potentialities of Developing Mine (Cont.)

an incline of 15° to 18°. More powerful conveyors are built for transporting at angles greater than 16° to 18°. A complete conveyor system effects considerable economy. Thus, at the "Zhurinka" mine No. 4, of the "tresta Leninugol'" (Lenin Coal Trust) (Kuzbass), when a full conveyor system was installed, the productive capacity of the underground workers almost doubled. A conveyor system secures the optimum conditions of effecting full automation. It is necessary to simplify the transportation system, to establish contact points where the continuous and discontinuous transport units come together. It is necessary to coordinate methods of opening up and preparing the mine field with modern systems of transport and developments of new methods of opening up and preparation. The author notes the possibilities of introducing hydraulic machinery and hydraulic methods of transport,

Card 2/2

V. K. Yasnyy

GERONTEV, Vladislav Ivanovich, trsl.; LARIN, Vasilij Timofeyevich, dotsent;  
KAPATIN, V.I., stvetsstvennyj red.; CHIRIKENKO, V.A., red.izdatel'stva;  
ROKNER, V.I., tekhn.red.; ALADCOVA, Ia.I., tekhn.red.

[Mine haulage] Rudnichnyi transport. Moskva, Ugletekhizdat, 1957.  
(MIRA 11:1)  
(Mine haulage)

AUTHOR: ASATUR,K.G., GERONT'YEV,V.I. (Leningrad) DR. + 303  
TITLE: Concerning the Investigation of Unflooded Beams with the Help of the  
High-Velocity Films Method. (Ob issledovanii nevodaennykh struj  
metodom skorostnoy kinos'zemki, Russian)  
PERIODICAL: Izvestiia Akad.Nauk SSSR, Otdel Tekhn. 1957, Vol 21, Nr 3, pp 162-167  
(U.S.S.R.)  
Received: 6 / 1957 Reviewed: 7 / 1957  
ABSTRACT: The resolving power of the film apparatus is of importance when  
filming processes contributing to the determination of the structure  
of a ray with high speed. Frequency must, however, be so great that  
the pictures do not become blurred. It is first established that the  
frequency necessary for a clear picture field is dependent on the  
velocity of the beam. This condition for a clear (not blurred) picture  
field reads:  $\omega < \frac{cdn}{av}$ .  $v$  denotes the true velocity of the beam.  
 $c$  is the logarithm for sharp focussing,  $d$  is the true diameter of  
the beam,  $n$  is the frequency,  $a$  is the intensity of the beam picture  
on the picture field,  $\alpha$  is the illumination coefficient. In practice  
it is recommended to take  $c = 0.1 - 0.2$  mm and  $\alpha = 0.4 - 0.8$  mm.  
The experiments described were carried out at the Leningrad Institute  
of Mining and in the Laboratory for Hydromechanization (both belonging  
to the State University of Leningrad). According to the structural

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PA - 508  
Concerning the Investigation of Unloaded Firearms with the Help of the  
High-Velocity Fire Method.

elements of the beam it was possible to determine its velocity and  
the distribution of the velocity according to the ray cross section.  
The velocity distribution in the cross section of an unloaded beam  
in an interval of 150 ; 200  $d_0$  from the rim of the optical sight  
is very close to a uniform distribution.  $d_0$  is the diameter of the  
optical sight. The velocities in this cross section are differentiated  
hardly at all from those found according to the FORMICELLI  
formula which is based on the low degree of influence of air re-  
sistance. (4 Illustrations and 2 Citations from Slav Publications).

ASSOCIATION: Leningrad Mining Institute  
PRESENTED BY:  
SUBMITTED: 16.7.1956  
AVAILABLE: Library of Congress

Card 2/2

124-11-13254

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 140 (USSR)

AUTHOR: Geront'ev, V. I.

TITLE: Some Results of the Investigation of the Effectiveness of the Break-up  
of Coal by Means of Water Jets.  
(Nekotoryye itogi issledovaniy effektivnosti razrusheniya ugley struyey  
vody.)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1957, Vol 34, Nr 1, pp 37-57

ABSTRACT: Bibliographic entry

Card 1/1

GERONT'YEV, V.I., prof. doktor tekhn. nauk.

Main results of experimental studies on breaking of coal and other  
rocks by water jets. Nauch. dokl. vys. shkoly; gor. delo no.2:51-59  
'58.

(MIRA 11:6)

(Water jet) (Hydraulic mining)

POLEVOY, Viktor Vasil'yevich; POKROVSKAYA, Vera Nikolayevna; FAKTOROVICH,  
Abram Mikhaylovich; GERONT'YEV, V.I., prof., doktor tekhn.nauk, obshchiiy  
red.; MEDVEDEV, L.G., otv.red.; KOLOMIYTSEV, A.D., red.izd-va;  
SHKLYAR, S.Ya., tekhn.red.

[Cable belt conveyors] Lentochno-kanatnye konveiery. Pod obshchey  
red. V.I.Geront'eva. Moskva, Ugletekhnisdat, 1959. 52 p. (MIRA 12:4)  
(Conveying machinery) (Mining machinery)

TSYAPKO, Nikolay Fedorovich, inzh.; CHAPKA, Anatoliy Marianovich, kand. tekhn.nauk; NUROK, G.A., prof., doktor tekhn.nauk, ratsenzent; GERONT'YEV, V.I., prof., doktor tekhn.nauk, ratsenzent; SEREBRYANYI, A.G., otv.red.; OKHRIMENKO, V.A., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.

[Hydraulic coal breaking in underground coal mining] Gidroot-boika uglia na podzemnykh rabotakh. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 312 p. (MIRA 13:5)  
(Hydraulic mining)

GERONT'YEV, V.I.; SEVERIN, L.P.

Breaking coals and rocks with jets of water. Zap. LGI 41 no.1:  
17-33 '59. (MIRA 16:5)  
(Kaznetsk Basin--Coal--Testing) (Rocks--Testing)  
(Jets--Fluid dynamics)

GERONT'YEV, V.I.

State of and outlook for scientific studies of hydromechanical  
systems of mining. Zap. LGI 41 no.1:135-139 '59, (MIRA 16:5)  
(Hydraulic mining)

GERONT'YEV, V.I., doktor tekhn.nauk; PERTEN, Yu.A., aspirant

Research on conveyors with a ribbed belt. Vop.rud.transp. no.4:108-114  
'60. (MIRA 14:3)

1. Leningradskiy gornyy institut.  
(Conveying machinery)

GERONT'YEV, Vladimir Ivanovich, doktor tekhn.nauk, prof.; KARELIN, Nikolay Timofeyevich, dots.; Prinimali uchastiye: GRACHEV, N.P., dots.; TYMOVSKIY, L.G., dots.; GORBACHEV, B.G., kand. tekhn. nauk, otv. red.; KOVAL', I.V., red.izd-vu; IL'INSKAYA, G.M., tekhn. red.:

[Mine transportation] Rudnichnyi transport. Moskva, Gosgor-tekhizdat, 1962. 424 p. (MIRA 15:11)

1. Kafedra rudnichnogo transporta Leningradskogo gosudarstvennogo universiteta (for Grachev, Tymovskiy). 2. Zaveduyushchiy kafedroy rudnichnogo transporta Leningradskogo gosudarstvennogo instituta (for Geront'yev).  
(Mine haulage)

FROLOV, Anatoliy Grigor'yevich, doktor tekhn. nauk; GERONT'YEV,  
V.I., doktor tekhn. nauk, prof., rezensent; VYSOKOSOV,  
T.I., otv. red.; KOSTAN'YAN, A.Ya., red.izd-vn; BOLDYREVA,  
Z.A., tekhn. red.

[Surface layout for underground and open-pit mines] Ustroj-  
stvo poverkhnosti shakht i kar'erov. Moskva, Gosgortekh-  
izdat, 1963. 362 p. (MIRA 16:7)  
(Mine buildings) (Mine haulage)

GERONT'YEVA, I.Ye.; KARAVAILOVA, R.P.; SH. YOKAYA, R.I.

Investigating the shape of grains of grinding and polishing  
powders. Sbor.st.LITMO no.47:104-109 '59. (MIRA 16:10)

EXCERPTA MEDICA Sec.2 Vol.11/5 Physiology,etc. May 58

2088. CHANGES IN TONUS OF THE BILIARY PASSAGES FOLLOWING EXPERIMENTAL LESIONS OF THE STOMACH - Modificări ale tonusului căilor biliare după leziuni experimentale ale stomacului - Hortolomei N., Gerota D. and Bușu I. - COM. ACAD. R. P. R. 1956, 6/7 (949-952)

Gastric lesions were produced by injection of a few drops of 2% formaldehyde solution into the lesser curvature, the biliary tonus being recorded before, immediately after and long after the injection. In addition to the gastric lesion, the formaldehyde caused an autonomic neurodystrophic disturbance extending beyond the confines of the stomach. A reduced biliary tonus was found at 30 to 60 days after the injection. From these findings it is surmised that neurodystrophic disturbances also occur in cases of peptic ulcer and that gastrectomy does not suffice to abolish them completely. Many disturbances following gastric resection may be attributed to a residual neurodystrophic factor.

**GHEROTA, D.; GHERCHEZ, L.**

Indications for drainage of the biliary passages. Romanian M. Rev. 2  
no.2:79-81 Apr-June 58.

(BILIARY TRACT, surg.  
drainage, indic.)

(DRAINAGE  
of biliary tract, indic.)

DZHEROTA, D. [Gerota, D.]; DIMITRIU, K. [Dimitriu, C.]; KHALEVI, S. [Kalevi, S.]; NICULIU, G. [Niculiu, G.]; TEODORIU, M.

Acute postoperative insufficiency of the adrenal glands. Vest. khir. 89 no.7:58-66 Jl '62. (MIRA 15:2)

1. Iz 1-y khirurgicheskoy kliniki (dir. - prof. Voynya Marinesku [Voinea Marinescu]) fakul'teta po usovremenstvovaniya vrachey (Bukharest).

(ADRENAL GLANDS) (OPERATIONS, SURGICAL)

GEROTA, D.; BURLUI, A.; STANCESCO, M.

Peri-arterial denervation of the hepatic artery in chronic hepatitis. Pol. przegl. chir. 35 no. 7/8:845-848 '63.

1. Z Kliniki Chirurgicznej Szpitala Fundeni w Bukareszcie  
Dyrektor: prof. dr V. Marinesco,  
(HEPATITIS) (SURGERY, OPERATIVE)  
(HEPATIC ARTERY)

FOFANOV, A.A., kand.tekhn.nauk; LEYSOV, Ye.I., inzh.; YEL'KIN, S.A., inzh.;  
MILYAYEV, M.N., inzh.; PASTUKHOV, A.I., kand.tekhn.nauk; DZEMYAN,  
S.K., inzh.; KOSNAREV, A.S., inzh.; KLEYN, A.L., kand.tekhn.nauk;  
DANILOV, A.M., inzh.; FILIPOV, A.S., kand.tekhn.nauk; SALTANOV,  
G.F., inzh.; VETROV, B.G., inzh.; PISARENKO, G.A., kand.tekhn.nauk;  
RADYA, V.S., inzh.; GEROTSKIY, V.A., inzh.

In the Ural Mountain Region Scientific Research Institute for  
Ferrous Metals. Stal' 22 no.10:892,916,938,953 0'62. (MIRA 15:10)  
(Ural Mountain region—Metallurgical research)

PISARENKO, G.A.; RADYA, V.S.; GEROTSKIY, V.A.; BLIKANOV, A.A.; MOKRONOSOV, Ye.  
D.; YEFREMOV, P.N.; BORSHCHER, L.B.; YEFIMOV, I.Z.; MYKOL'NIKOV, A.A.;  
BATALOV, A.N.; TSEPOVA, M.N.

Casting magnesium cast iron into a chill with a metal core. Stal'  
(MIRA 18:1)  
24 no.7:607-610 J1 '64.

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov,  
Lys'venskiy i Severskiy metallurgicheskiye zavody i Nizhne-Tagil'skiy  
metallurgicheskiy kombinat.

SHORM, F.; GEROUT, V.; PLIVA, I.

Advances of chemistry of sesquiterpenes. Uspokhi Khim. 22, 564-82 '53.  
(CA 47 no.19:9944 '53) (MLRA 6:4)

PENTEGOVA, V.A.; MOTL, O.; GEROUT, V.

Isolation of (+)- $\delta$ -cadinol from *Pinus sibirica* R. Mayr oleoresin  
and its identity with torreyol and sesquigoyol. Dokl. AN SSSR 138  
no. 4: 850-851 Je '61. (MIRA 14:5)

1. Institut organicheskoy khimii i biokhimii Chekhoslovatskoy  
Akademii nauk i Khimiko-metallurgicheskiy institut Sibirskogo  
otdeleniya AN SSSR. Predstavлено akademikom B.A.Kazanskim.  
(Oleoresins) (Cadinol)

GORYAYEV, Mikhail Ivanovich, akademik; PLIVA, lozef. Prinimali  
uchastiye: TOLSTIKOV, G.A.; LISHTVANOVA, L.N.; GEROUT, V.  
[Heroit,V.]; KAYL, B.[Kajl, B.], doktor khim. nauk; NAVOTNYY, L.  
[Novotna, L.], doktor khim. nauk; GLAZYRINA, D.M., red.;  
ALFEROVA, P.F., tekhn. red.

[Methods of studying essential oils] Metody issledovaniia efir-  
nykh masel. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 750 p.  
(MIRA 15:7)

1. Institut khimicheskikh nauk Akademii nauk Kazakhskoy SSR (for  
Goryayev, Tolstikov, Lishtvanova). 2. Chlery-korrespondenty Akademii  
nauk Chechoslovakii (for Pliva, Gerout). 3. Institut organicheskoy  
i biologicheskoy khimii Chechoslovakskoy Akademii nauk (for Pliva,  
Gerout, Kayl, Navotnyy).

(Essences and essential oils)

GRADSKIY, Mikulash [Gradsky, M.], doktor med.nauk; VORTEL', Vladimir,  
~~doktor~~ doktor med.nauk; GEROUT, Vladimir [Herout, V.], doktor  
med.nauk (Chekhoslovakiya)

Stomach biopsy in clinical practice. Klin.med. no.7:12-19  
'61. (MIRA 14:8)

1. Iz kliniki propedevtiki vnutrennikh bolezney meditsinskogo  
fakul'teta Karlova universiteta v Gradtse Karlove (rukoviditel' -  
dotsent, doktor med.nauk F. Chernik) i iz patologoanatomicheskogo  
instituta meditsinskogo fakul'teta Karlova universiteta v Gradtse  
Karlove (rukoviditel' - doktor med.nauk prof. A. Fingerland).  
(STOMACH) (BIOPSY)

SUKHI, M.; GEROUT, V.; SHORM, F.

Latest accomplishments in the chemistry of sesquiterpenes. Usp.-  
khim. 31 no.8:1004-1023 Ag '62. (MIRA 15:8)

1. Institut organicheskoy khimii i biokhimii Chekhoslovakatskoy  
Akademii nauk.  
(Sesquiterpenes)

GUROV, A.

"Let Us Retain The High Fat Content In Milk, p. 11" (KOOPERATIVNO ZEMEDELIE) Vol. 7,  
No. 10, 1952, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

RAOV, A.; ELDRADOV, KH.

RAOV, A.; ELDRADOV, KH. Feeling was lacking after the reorganization the  
existing period. p. 26.

Vol. 11, no. 5, May 1956

KEDP Tsvetnoi zhurnal

zhurnal

Sofia, Bulgaria

SO: East European accession, Vol. 6, No. 3, March 1957

USSR. / Farm Animals. Cattle

Q-2

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12049

Author : Gerov Andon, Kr"stanov Khristo

Inst :

Title : Interbreeding of Native Grey Cattle with Brown Alpine  
and Brown Sofia Cattle in South Eastern Bulgaria  
(skreshchivaniyemestnogo serogo skota s burym al'-  
piyskim i sofiyskim burym skotom v yugo-vostochnoy  
Bulgarii)

Orig Pub: Zhivotnov"dstvo i vet. delo, 1957, 11, No 3, 4-11  
(in Bulgarian)

Abstract: Climatic and feeding conditions for cattle in south-  
east Bulgaria are described. Differences are noted  
in the climatic and feeding conditions in areas  
where stockbreeds are destined for interbreeding.  
The utilization of reproductive crossing with the

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COUNTRY : BULGARIA  
CATEGORY : Farm Animals.  
Cattle.  
ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25837  
AUTHOR : Gerov, Anton; Kr'stanov, Khristo  
LST. : -  
TITLE : Feeding Cows during the Stall Period with  
Typical Rations.  
ORIG. PUB. : Zhivotnov'dstvo i vet. delo, 1958, 12, No 1,  
32-36  
ABSTRACT : Three experiments were carried out with two  
groups of cows consisting each of 6 heads. The  
experimental period lasted 49 days in the first  
experiment, 52 days in the second, and 40 days  
in the third. According to groups, rations while  
maintaining the same general nutritive value,  
differed in terms of their coarse feed content  
(lucerne hay, meadow hay, straw) and the con-  
tent of the juicy feed kinds (tubers, silage  
of various compositions). Combined with fodder

CARD: 1/2

GEROV, B.

"The First International Congress for Encouragement of Research on Cicero." p. 21

NATCHEN ZHIVOT. Sofiia, bulgaria, Vol. 5, No. 4, September/October, 1959.

Monthly List of East European Acquisitions (SEAI), LC, Vol. 9, No.2, February, 1960. Uncl.

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GYROV, GHER

Fulfillment of the Plan by the Ministry of Electrification during the first six months and the coming tasks for the Third Quarter. Elektroenergiya (Electric Power), #7-8:1:Jul-Aug 55

GEROV, GERO

The Atomic Power Station of the Academy of Sciences of the USSR.  
Elektroenergetika (Electric Power), #7-8:7:Jul-Aug 55

GEROV, G.; STOJAVA, K.

Position of a double physical pendulum in the vicinity of  
its stable equilibrium. Godishnik mash elekt 12 no. 1:63-68  
'62 [publ. '63].

Болестi po novorodenite i gladite zhivotni. Sofia, Zemivat, 1955. MG 1.

(Diseases in newborn and young animals) 4. Yet in 113

Bulgaria

SC: Monthly Index of East European Accessions (EEAI) LC, Vol 7, no 1, Jan. 1958

BULG.RL/Innre and vntnl. Physiology. Thermoregulation

T

Obs Jour: Ref Zhur-Biol., No 20, 1958, 93029.

Author : Gerov, K.

Inst :

Title : Some Studies on Thermoregulation in Foal Healthy and  
Suffering from Bronchopneumonia.

Org. Pub: Selskostop. mis"l, 1957, 2, No 8, 493-502.

Abstract: In foal the thermoregulatory reflex acted more rapidly  
with local chilling than with local heating. Foal,  
as well as calves, tolerated a high temperature of the  
air with difficulty. The highest mortality occurred  
in them and the others in summer and the minimal in  
winter, and in pigs the reverse was true. In foal,  
suffering from bronchopneumonia, after the first days  
of illness a restoration of the skin temperature after

Card : 1/2

GEROV K.

BULGARIA/Pharmacology and Toxicology. Local Anesthetics.

V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89926.

Author : Gerov, K.; Geshev, S.

Inst : -

Title : Effect of Novocain and Evipan Sodium upon the Growth and Development of Chickens.

Org Pub: Zhivotovedstvo i vet. delo, 1957, 11, No 4, 25-29.

Abstract: Experiments were carried out on 75-day-old chicks and chicks of fall hatching. The chicks were given novocain, evipan sodium, or hypophysis extract. In the roosters, the average daily weight gain consisted of 12.4-8 g, and in chickens - 8.3-5.8 g. On the 48th day of the experiment, the following gains of weight were noted: after injection of pituitary extract - 12.4, 8-8.6 g; after the an-

Card : 1/2

V-33

NACHEV, B., GEROV, K., GABRASHANSKIY, P. and CHUSHKOV, P. (Higher Veterinary Medical Institute and Institute of Biology and Pathology of Reproduction. Sofia [Bulgaria]).

"Selenium as a therapeutic and prophylactic means in exudative diathesis of chicks and in enzootic muscular dystrophy of lambs"

Veterinariya, vol. 39, no. 8, August 1962 pp. 44

NACHEV, B., GEROV, K., GABRASHANSKIY, P.; CHUSHKOV, P.

Selenium as a therapeutic and prophylactic means against exudative diathesis in chicks and enzootic muscular dystrophy in lambs. Veterinariia 39 no.8:44-46 Ag '62.

(MIRA 17:12)

1. Vysshiiy veterinarno-meditsinskiy institut i Institut biologii i patologii razmnozheniya, Sofiya.

RADEV, T.; GEROV, K.; GEORGIEVA, R.

Enzyme of carbonic anhydrase, and its importance for  
animals. Priroda Bulg 12 no. 1: 80-82 Ja-F '63.

Document 10

DR. K. D. KARALOV, senior scientist in laboratory (Starushki Iauchen Sutradnik), Institute of the Anatomy and Pathology of Reproduction and Non-infectious Diseases (Institut po Biologichni i Patologiya na Razmnozhavanieto i lesnaruzhi Bolesti), Sofia.

"Biogenetic Stimulators and Their Application."

Sofia, Veterinarna Sbirka, Vol 60, No 10, 1963, pp 12-14.

Abstract: The author expresses the opinion that tissue preparations prepared according to Filatov's method, as well as all the other varieties of biogenetic stimulators, ought to be used more often in Bulgarian veterinary practice than they are. He describes the complex effect of such stimulators in improving the immunobiological properties, regenerative capabilities, resistance, and growth of the organism. Thousands of various kinds of livestock and poultry in Bulgaria were treated in 1961, for example, with many young animals saved and substantial increases in livestock for fattening.

No references.

1/1

RADEV, T.; GEROV, K.; CHOUSHKOV, I. [Chushkov, P.]; VENKOV, T.;  
GEORGIEVA, R.

Composition of alanthoid and amniotic fluids in swine.  
Doklady BAN 16 no. 4: 433-436 '63.

1. Institute of Comparative Pathology and Institute of  
Biology and Pathology of Reproduction Propagation.

Bulgaria/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63582

Author: Gerov, St.

Institution: None

Title: Turbidity of Wine (Oxidase Casse)

Original

Periodical: Pot"mnyavaniye na vinoto (oksidazno presichane). Lozarstvo i vinarstvo, 1955, 4, No 6, 344-346; Bulgarian

Abstract: Considered are the signs of oxidase casse of wine and methods for its prevention; sulfitization (up to 50 mg/l), heating (60-80° 30 minutes depending on preliminary tests), acidification with citric acid (to 6-7 g/l of titration acidity in red wines, 7-8 g/l in white wines).

Card 1/1

St. Gerov, St.  
BULGARIA / Chemical Technology, Chemical Products and Their  
Application. Part 3 - Fermentation Industry.

H-26

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12773.

Author : Tr. Ivanov, St. Gerov, At. Yankov.

Inst : College Institute of Food and Condiment Industry.

Title : Study of Champagnization Possibility of Wine Materials of  
Red Muscatel, Proslava and Mavrud Grapes.

Orig Pub : Nauchn. Tr. Viss. in-t khranit. i vkus. prom-st. Plovdiv,  
1956, 3, 293 - 314.

Abstract : Wine materials of Red Muscatel (RM), Proslava (P) and  
Mavrud (M) grapes were champagnized in bottles. M produces  
champagne wine of the highest quality and P follows it.  
RM wine material one year old blended with older wine ma-  
terial of P and M sorts improves their champagne qualities.

Card 1/2

OLIVERY: Bulgaria  
CATEGORY :  
ABSTRACT: RZKhim, No.22 1959 No. 80075  
AUTHOR : Ivanov, T., Gerov, S., and Ivanova, A.  
TITLE : Plovdiv Institute of the Food and Flavors Industry  
SUBJ: Grapes  
ORIG. PUB. : Nauchni Trudi Vses. Inst Kharmit i vkus Promishlen-  
ost-Plovdiv, 4, 99-129 (1958)  
ABSTRACT : The authors present data on the mechanical compo-  
sition of the grapes, the chemical composition of  
the wort, changes in the composition during ripen-  
ing, and the effect of external factors on the  
quality of the grapes.

CARD: 1/1

DETALL

GEROV, Vasil, prof. inzh.

The water turbine-pump aggregate. Khidrotekh i melior 7 no.9:285-  
287 '62.

GEROV, Vasil, prof. inzh.

Reconstruction of propeller pumps. Khidrotekh i melior 8  
no. 2:61 '63.

GEROV, Vasil, prof. inzh.

Valveless action of turbopumps. Khidrotekh i melior 8 no.3:  
88-90 '63.

GEROV, VLADIMIR T.

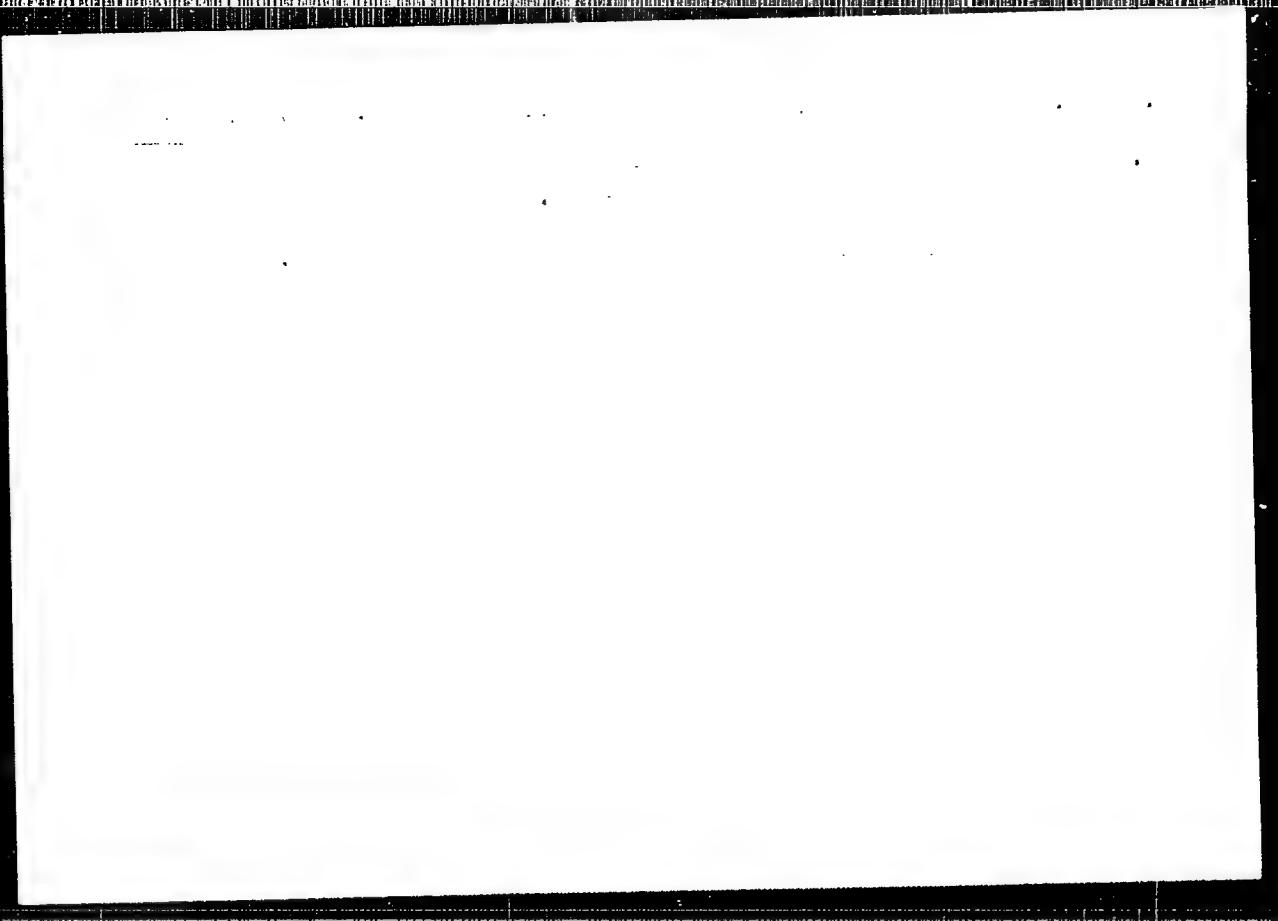
New trends in the Calculation of Foundations for Power Generators.  
Elektroenergiya (Electric Power), #7-8:2:Jul-Aug 55

TOTEV, Marko, inzh.; TODOROV, Milko, inzh.; TOMOV, Toma, inzh.;  
GEROV, Vladimir, inzh.

Some solutions in the design of the Maritsa-Iztok I Thermo-electric Plant. Elektroenergiia 13 no.5/6:12-21 My-Je '62.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3



APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3"

BULGARIA/Chemical Technology - Chemical Products and Their  
Applications - Fermentation Industries.

II.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37784

Author : Gerov-Stoyan, I.

Inst :

Title : Viniculture in Hungary.

Orig Pub : Lozorstvo i Vinarstvo, 1957, 6, No 3, 53-58

Abstract : The technology of fabrication of table wine in Hungary  
doesn't differ from procedures accepted in USSR. In  
order to prepare dessert wine of Tokay type, Furmint,  
Gars, Level, and Muscatel Lunelle species of grapes  
are used. The grapes are previously subjected to the  
action of "Botritis Cineraria". The technology of  
processing of natural Tokay and "As" wines was exami-  
ned. In the Hungarian Popular Republic the production  
of bottled champagne is practiced.

Card 1/1

30

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3

GEROVA, E.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3"

KASABOV, I.; VITKOV, A.; GEROVA, E.

Measuring the life period and the drifting motion of carrier of  
current load in to silicon method of direct transmitted current.  
Doklady BAN 14 no.6:563-565 '61.

1. Predstavлено акад. G. Nadzhakovу.

GEROVA, M.; MADLAFOUSEK, J.

Impedant plethysmography as a method of measurement of circulation of the extremity. Cesk. fysiol. 5 no.1:100-106 26 Mar 56.

1. Ustav pro choroby obehu krevniho, Praha.  
(PLETHYSMOGRAPHY,  
impedant, measurement of blood circ. in extremities (Cz))  
(EXTREMITIES, blood supply,  
circ., measurement by impedant plethysmography (Cz))

REC-13744411-14c 18 Vol. 1/10 Cirillo, D. et al. C.R. 58

2135. *Thermal changes in the skin after arterial bleeding in the rat* (M. M. M. koznějovský za arterickéj hemorážej a jeho následky). Časopis Československé Akad. Vied. Mat. a Med. Slov. Akad. Vied., Bratislava *Bratislavské listy* 1957, 34(II)/10-41 (623-630) Graphs 10 Tables 2

The vascular bed of the facial region of the skin of the intact and denervated rat externally in dogs was observed during and after arterial bleeding there of a moderate degree. During haemorrhage and shortly after it (up to the first minute) the vessels in the observed area behave passively, like elastic tubes. Only after this period do the compensatory neurohumoral mechanisms which lead to vasoconstriction appear. The compensatory vasoconstriction following haemorrhage does not take place in all regions simultaneously (e.g. in the muscles only in the second minute after haemorrhage).  
(II, 18)

GERO, J.; GEROVÁ, M.

Arterial rheo-oscillography as a method of registration of vascular  
volume changes. Česk. fysiol. 7 no.3:235-236 May 58.

1. Ustav experimentalnej mediciny SAV, Bratislava.

(PULSE,

arterial rheo-oscillography in arterial pulse volume changes  
(Cz))

GERO, J.; GEROVÁ, M.

Volume and pressure oscillations of the sinus caroticus in hypotension.  
Cesk. fysiol. 7 no.3:237-238 May 58.

1. Ustav experimentalnej mediciny SAV- odd. klinic. fysiologie, Bratislava.  
(HYPOTENSION, exper.  
carotid sinus volume & pressure variations (Cx))  
(CAROTID SINUS, physiol.  
volume & pressure variations in exper. hypotension (Cx))

δ

GEROVA, M.; GERO, J.

Certain hemodynamic parameters of the region of the carotid sinus in moderate arterial hemorrhage. Cesk. fyziol. 7 no.3:238-240 May 58.

1. Ustav experimentalnej mediciny SAV, Bratislava.  
(CAROTID SINUS, physiol.  
hemodynamic parameters in exper. hemorrh. (Cz))  
(HEMORRHAGE, exper.  
carotid sinus hemodynamic parameters (Cz))

GEROVA, M.; GERO, J.

Vascular cutaneous beds during and after arterial hemorrhage. Čas. fysiol.  
7 no.4:326 July 58.

1. Ustav experimentalnej mediciny SAV, oddelenie klinickej fyziologie,  
Bratislava.

(HEMORRHAGE, exper.  
cutaneous vasc. bed during & after hemorrh. in dogs (Cz))

(SKIN, blood supply,  
same)

*GEROVÁ M.*  
ENCERPTA MEDICA Sec 18 Vol 3/5 Cardio. Dis. May 59

1239. Influence of regulatory mechanisms on the muscle vascular bed during and after arterial haemorrhage of a mild degree GEROVÁ M. and MADLAFOUSEK J. Lab. of Clin. Physiol., Slovak Acad. of Scis, Bratislava; Inst. of Cardiovasc. Dis., Prague *Physiol. Bohem.* 1958, 74 (376-383) Graphs 3 Tables 1

The influence of regulatory mechanisms during acute arterial haemorrhage on the muscle vascular bed was studied by comparing impedance plethysmography in the thigh of a denervated and a control limb in dogs. Regulatory mechanisms restore the relationship between outflow resistance and the elastic resistance of the vessel wall (which is disturbed by arterial haemorrhage) by increasing elastic resistance. At the outset of haemorrhage in the muscle vascular bed, regulatory mechanisms do not take effect. Towards the end of haemorrhage, constrictor regulatory influences come into play, but do not control the situation resulting from acute haemorrhage. The muscle vascular bed does not completely come under the control of constrictor regulatory mechanisms until 2 min. after haemorrhage. (II, 18)

HERO, J.; GERLOVA, M.

Pressure and volume pulse oscillations of the carotid sinus and femoral artery. Cesk. fysiol. 7 no.5:456-457 Sept 58.

1. Ustav experimentalnej mediciny-- odd. klin. fyziol., Bratislava.  
(HYPERTENSION, physiol.  
carotid sinus & femoral artery pressure & volume pulse  
oscillations (Cz))

GEROVA, M.; GERO, J.

Vascular bed of the muscle in pain stimulation. Cesk. fysiolog. 8 no.3:  
190-191 Apr 59.

1. Odd. klin. fysiolog. Ustavu exp. mediciny SAV, Bratislava. Prednesene  
na III, fiziologickych dnoch v Brne dna 13. 1. 1959.

(PAIN, exper.

eff. on musc. blood circ. (Cz))

(MUSCLES, blood supply,

eff. of pain stimulation (Cz))

GERO, J.; GEROVA, M.

On the problem of the mechanisms of irritation of the receptors of the carotid sinus. Česk. fysiol. 8 no. 5:402-403 S '59.

1. Ustav experimentalnej mediciny SAV, Bratislava.  
(CAROTID SINUS physiol.)

GERO, J.; GEROVA, M.

On the role of parameters of pulse pressure after the irritation of  
the receptors of the sinus carotis. Cesk.fysiol. 9 no.3:229-230  
Ky '60.

1. Ustav experimentalnej mediciny SAV, Bratislava.  
(CAROTID SINUS physiol)  
(PULSE physiol)

GERO, Jan; GEROVA, Maria

Elasticity of the sinocarotid region. (An experimental study). Lek. prac.  
[Biol. lek.] 1 no.4:1-109 '61.

1. The Institute of Experimental Medicine of the Slovak Academy of  
Sciences, Bratislava.

(CAROTID SINUS physiol)

GEROVA, M.; GERO, J.

A study of the mechanisms of vasodilatation in muscle during painful stimulation. *Cor Vasa* 3 no.4:294-303 '61.

1. Institute of Experimental Medicine, Slovak Academy of Sciences,  
Bratislava, CSSR.

(PAIN physiology) (MUSCLES blood supply)  
(BLOOD VESSELS physiology)

67K60H, th.

- PROBLEMS. Proceedings International Congress Vol. 1, No. 17, 1952  
of Sciences (International Scientific Academy) Vol. 1, 1952.
2. Robert TAYLOR (10 Feb 1895 - 9 Mar 1952) [Obituary], Doctor Robert  
TAYLOR, President of the 1st International Medical and Slovénian Academy  
of Sciences, pp 325-326.
3. Transfer of the Department of Administration into the International  
Aeronautical Organization, by P. DIA, of the International Medical and  
Slovenian Academy, 1st International Medical and Slovénian Academy  
of Sciences, pp 326-327.
4. Psychological Research in the Human Materials under the  
Control of the International Medical and Slovénian Academy, by O. K. KREMER, V.  
SOKOLOV, J. KREMER, and A. KREMER, from the International Medical and  
Slovenian Academy, 1st International Medical and Slovénian Academy, 1952.
5. The Medical Faculty of Chemical University (Physiology and  
Lachesis) Faculty University of Leningrad in Leningrad, Soviet Union, pp 327-  
328 (English summary).
6. The Relation Problems of Spreading Diseases in the International  
Bureau of Some Psychological Sciences, by J. ZIMMER and D. ZIMMERA  
of the International Medical and Slovénian Academy, 1st International Medical and  
Slovenian Academy, 1st International Medical and Slovénian Academy, 1952 (Engish  
summary).
7. The Conditioning of the Individualization in the Human Materials of  
the Skin Produced by a Single Step Method, by S. FEDOROV, pp 327-  
328 (English summary).
8. The International Relations between the National and the Research  
Center of the International Medical and Slovénian Academy, pp 327-328 (English  
summary).
9. Some Aspects of the Basic Problems of Aviation and Space Medicine,  
by B. BERNARD, A. BERNARD and O. ZIMMER, from the International Medical and  
Slovenian Academy, 1st International Medical and Slovénian Academy, 1952 (English  
summary).
10. Some Problems of the International Research Institute of Psychosomatic  
and Psychosomatic Research, by N. GOREVA and J. ZIMMER of the 1st International  
Medical and Slovénian Academy, 1st International Medical and Slovénian Academy, 1952 (English  
summary).

GEROVA, M.; DROBA, A.

On the problem of the study of vasomotor activities with the aid  
of the auto-perfusion pump. Bratisl. lek. listy 42 no.1:9-16 '62.

1. Z Ustavu experimentalnej mediciny SAV v Bratislave, riaditeľ člen  
koresp. SAV J. Antal.  
(PERFUSION equip & supply) (VASOMOTOR SYSTEM physiol)

GEROVA, M.; GERO, J.

Hemodynamic relations between the magistral and the resistant part of the arterial system of the extremity. Bratisl. lek. listy 42 no.10: 617-626 '62.

1. Z Ustavu experimentalnej mediciny Slovensky akademie vied v Bratislave, riaditeľ člen koresp. Slovensky akademie vied J. Antal, Dr. Sc.

(BLOOD CIRCULATION physiol) (LEG blood supply)

GERO, J.; GEROVA, M.

Functional characteristics of the resistant part of the vascular bed and its reactivity to neurohumoral stimulation. Bratisl. lek. listy 43 Pt. 2 no.7:388-398 '63.

1. CSAV - Ustav experimentalnej mediciny SAV v Bratislave,  
riaditeľ člen koresp. SAV J. Antal, Dr. Sc.  
(ISOLATION PERFUSION) (BLOOD PRESSURE)  
(BLOOD VESSELS) (VASOMOTOR SYSTEM)

GEROVA,M.; GERO.J.

Haemodynamic parameters in conduit arteries and their corresponding resistance vessels during variations in circulatory homeostasis. Physiol. Bohemoslov. 13 no.2:148-155 '64.

1. Institute of Experimental Medicine, Academy of Sciences, Bratislava.

\*

24 7700  
S/058/62/000/010/071/093  
A061/A101

AUTHORS: Kasabov, I., Vitkov, A., Gerova, Ye.

TITLE: Constant emitter current measurement of carrier lifetime and drift mobility in silicon

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 35, abstract 10E272  
("Dokl. Bolg. AN", 1961, v. 14, no. 6, 563 - 565; summary in German)

TEXT: The possibility of measuring the carrier lifetime in Si by an improved constant emitter current method was verified. The lifetimes ( $\tau$ ) for n-type Si with  $p$  of the order of some ohms·cm ranged between 4.6 and 6.8  $\mu$ sec. The values of  $\tau$ , determined by the given method, coincided with good accuracy with those determined by the Galkin-Vavilov method (RZhFiz, 1958, no. 4, 8601).

L. Galkina

[Abstracter's note: Complete translation]

Card 1/1

GERCVICH, M.A. (Moskva)

Nature of the electric effect at the solution - air interface  
during the formation of polymeric films of condensed aromatic  
hydrocarbons. Zhur. fiz. khim. 34 no.2:356-359 F '60. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
(Films (Chemistry)) (Electromotive force) (Hydrocarbons)

GEROVICH, V.

In 2 years and 9 months, a five-year task concerning the  
growth of labor productivity. Stroitel' no.9:8-9 '58.  
(MIRA 13:3)

1. Nachal'nik uchastka No.1 upravleniya №.63 tresta  
"Stroitel'."  
(Moscow--Construction industry--Labor productivity)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3

Смирнов, А.С.; Кузнецова, Е.А.; Смирнов, В.М.; Пантелейонов, Г.А.

Adsorption of aniline on terralite item in conditions of 0° and 40°  
Zhur. fiz. khim. 38 no.7:1777-1783 (1964).

UDC 547.583

1. Moscow State University imeni Lomonosova.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3"

PRIMER, 12, *reduced*; 12, 2, 1, *full*; 12, 2, 2, *full*; 12, 2, 3, *full*; 12, 2, 4, *full*.

Interaction potential and the memory of electrolyte interface as a function of dielectric constant of neutral male acids. *Zh. AN SSSR* 158 no. 3:706-722, 1964. (MIRA 17:10)

1. Moshkovsky post-pri-stroy university im. M.V. Lomonosova.

### Stroyova T. S.

Decomposition of chloromethyl benzyl sulfide in strong anhydrous acids. Sulfur analogy of the Beckmann reaction. Václav Honák and Eugenie Černová (Charles Univ., Prague, Czechoslovakia). *Chem. Ztg.* 72(1948) 19(53). —  $\text{CH}_3\text{CH}_2\text{SC}_6\text{H}_4\text{CH}_2\text{Cl}$  (I) is decomposed by  $\text{H}_2\text{SO}_4$  in  $\text{CH}_2\text{Cl}_2$  to  $\text{HCl}$ ,  $(\text{PhCH}_2)_2\text{S}$  (II),  $\text{CH}_3\text{SC}_6\text{H}_4\text{CH}_2\text{Cl}$  (III), and  $\alpha$ -butylene (IV). The decomposition is supposed to go through the formation of sulfonium salts. Refluxing 15 g. I with 5 g. concentrated  $\text{H}_2\text{SO}_4$  in 70 ml.  $\text{AcOH}$  90 min. ( $\text{HCl}$  evolved), dil., with an equal vol. of  $\text{H}_2\text{O}$ , and refluxing 1 hr. gives an oil which, ext. with  $\text{CaH}_2$ , dried, and distilled, yielded 2.9 g. (31.8%)  $\text{HCl}$  and 2.0 g. of an oil which with 7 ml. 30%  $\text{H}_2\text{SO}_4$  in 30 ml.  $\text{AcOH}$  gave  $(\text{PhCH}_2)_2\text{SO}_2$  (V), m. 140°, and  $(\text{PhCH}_2)_2\text{SO}_2\text{CH}_2\text{Cl}$ , m. 207° (both from  $\text{BzOH}$  and  $\text{C}_6\text{H}_5\text{Cl}$ ). Boiling (20 min.) boiling of I with the acids yielded 39.8%  $\text{HCl}$ , also obtained in 39.4% yield by refluxing 3.6 g. IV 30 min. with 10 g.  $\text{PhCH}_2\text{Cl}$  and 4 g.  $\text{H}_2\text{SO}_4$  in 60 ml.  $\text{AcOH}$ . III (5 g. 5%) and 3.4 g.  $\text{PhCH}_2\text{Cl}$  reduced 1.5 hrs. with 2 g.  $\text{H}_2\text{SO}_4$  in 60 ml.  $\text{AcOH}$ , gave V after oxidation. Refluxing 4 g. I 90 min. with 14 g.  $\text{H}_3\text{PO}_4$  in 70 ml.  $\text{AcOH}$  gave III and IV. *Alchimia Collection Czechoslov. Chem. Commun.*, 19, 88-90 (1954) (in German).

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000514910017-3"

БОЛЫХИН, Б.Б.; ГУРЧИЧЕВ, Ю.Н.; ГУРКИЧЕВ, Ю.Н.; КИГАЛДЫКОВ, Б.Б.

Adsorption of phenol on mercury from 1% solutions of sodium sulfate.  
Zhur. fiz. khim. 38 no. 10:2495-2499 (1964).

(MIRA 18:2)

1. Moscowvskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

HORAK, V.; GEROVova, E.

Breakdown of chloromethylbenzyl sulfide in a strongly acid anhydrous medium; sulfur analogy of the Sommelet reaction [in German with summary in Russian]. Sbor.Chekh.khim.rab. 19 no.1:85-90 F '54. (MLR 7:6)

1. Institut organicheskoy khimii Karlova Universiteta, Praga.  
(Sulfides) (Sommelet reaction)

JOURNAL OF

Seropyan, M. N. - "The ergonomics, accounting, and wages for labor on collective farms in the struggle for large farms to," In symposium: Doklady Nauk. - Leningrad. knof-tvili Marlyuk. ASSR, Kirovoblagorsk, 1955, p. 37.

SC: U-2600, 10 July 1944, (Letter to the Royal British Society, No. 6, 1943).

BELYAYEV, S.; GEROYEVA, M.

Alma-Ata Meat Combine during the years of the seven-year plan. Mias.ind,  
SSSR 33 [i.e.34] no.2:28-29 '63. (MIRA 16:4)

1. Nauchno-tehnicheskoye obshchestvo pishchevoy promyshlennosti (for  
Belyayev). 2. Alma-Atinskiy myasokonservnyy kombinat (for Geroyeva).  
(Alma-Ata—Meat industry)

LUK'YANOV, Tikhon Petrovich; GERR, A.D., retsenzent; ANTSYSHEVSKIY, L.I., retsenzent; BIKKENIN, I.Kh., retsenzent; LEZNOV, S.I., nauchnyy red.; FAYERMAN, A.L., red.; TOKER, A.M., tekhn. red.

[Adjustment of electrical systems]Neladka elektroustanovok.  
Moskva, Proftekhizdat, 1962. 618 p. (MIRA 15:9)  
(Electric apparatus and appliances) (Electric measurements)  
(Electric engineering—Safety measures)

BERKOVICH, Mikhail Arnol'dovich; VAVIN, Viktor Nikolayevich; GOLUBEV, Mikhail L'vovich; NAZAROV, Yuriy Grigor'yevich; RIBEL', Normund Yevgen'yevich; SAVOST'YANOV, Aleksey Ivanovich; SEMENOV, Vladimir Aleksandrovich; DOROFEEV, V.I., inzh., retsenzent; PESOCHIN, M.I., inzh., retsenzent; PERSHIN, V.I., inzh., retsenzent; ARTSISHEVSKIY, L.I., red.; GERR, A.D., red.; BORUNOV, N.I., tekhn. red.

[Manual on relay protection systems] Spravochnik po releinoi zashchite. [By] M.A. Berkovich i dr. Moskva, Gosenergoizdat, 1963. 512 p. (MIRA 16:9)  
(Electric relays) (Electric protection)

WILSON, ROBERT DODD, JR., 1900-1944, BORN IN NEW YORK, NEW YORK, DIED IN NEW YORK, NEW YORK, ON NOVEMBER 11, 1944.

[distant, rural] areas, in which with great difficulty, the [rural] population, which only produced [they say] [the] [biggest] [percentage] of [the] [rural] [population] [in] [the] [U.S.],

L 1316-66 EWT(1)/EWT(m)/EWP(t)/EED-2/EWP(z)/EWP(b) IJP(c) JD/HM  
ACCESSION NR: AP5012548 UR/0181/65/007/005/1393/1396

AUTHOR: Rode, V. Ye.; Gerrmann, R.; Grishina, I. V.

TITLE: Temperature dependence of the magnetization of ferrites at low temperatures

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1393-1396

TOPIC TAGS: ferrite, magnetization, temperature dependence, nickel containing alloy, zinc containing alloy

ABSTRACT: The authors investigate the temperature dependence of the saturation magnetization of Ni-Zn ferrites with different Zn content, for the purpose of studying the influence of the degree of reversal of the ferrite magnetization on the temperature variation. The measurements were made in the interval 4.2-30K. The ferrites were obtained from oxides by means of the usual ceramic technology. The density of the samples was 95 to 96% of the x-ray density. The measurement method was described elsewhere (PTE No. 1, 173, 1964). In all samples except the one with composition (0.73 NiO-0.27 ZnO) Fe<sub>2</sub>O<sub>3</sub>, the saturation increased like T<sup>3/2</sup> in the temperature range from 4.2 to 30K. The magnetization of the remaining sample increased like T<sup>2</sup>. The proportionality coefficient C in the equation  $\Delta I = CT^{3/2}$  is of the same order of magnitude as predicted theoretically. Orig. art. has: 5 figures, 1 formula, and 2 tables.

Card 1/2

L 1316-66.

ACCESSION NR: AP5012548

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow  
State University) 44,55 3

SUBMITTED: 24Feb64

ENCL: 00

SUB CODE: SS

NR REF Sov: 005

OTHER: 001

index  
Card 2/2

L 1574-66 EWT(m)/EWP(t)/EWP(z)/EWP(b) IJP(c) JD/HW

ACCESSION NR: AP5019207

UR/0056/65/049/001/0003/0006

35  
343AUTHOR: Rode, V. Ye.; Germann, R.; Mikhaylova, N. V.

TITLE: Investigation of deviations from Bloch's law for the saturation magnetization in some iron-nickel alloys

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 1, 1965, 3-6

TOPIC TAGS: saturation magnetization, iron alloy, nickel containing alloy, temperature dependence

ABSTRACT: The authors have measured the temperature dependence of the saturation magnetization in a number of iron-nickel alloys containing from 15 to 74% of Ni, using a method previously described (PTE no. 1, 173, 1964). The change in the saturation magnetization caused by cooling the specimen from a temperature  $T$  to 4.2K was measured. The measurements were made in a magnetic field of 20 kOe, so that the effects of the magnetic anisotropy and the temperature dependence of the saturation magnetization were negligible. To check the validity of Bloch's law (that the magnetization is proportional to  $T^{3/2}$ ), the change in magnetization was plotted against the quantity  $T^{3/2} (1 + g)$  for each alloy ( $g$  is a function of the temperature ratio and of the magnetic field defined in the text). It is shown that Bloch's law holds provided corrections for the effective internal field are intro-

Card 1/2

L 1574-66

ACCESSION NR: AP5019207

duced, although deviations from this law, which cannot be described by theoretically predicted power laws, occur in certain alloys above 30...40K. It is found, however, that the deviations can be reconciled with a formula originally derived by Wohlfarth et al. (Proc. Phys. Soc. v. 83, 46, 1964). The coefficients for this formula are listed in a table. Orig. art. has: 4 figures, 3 formulas, and 1 table.

ASSOCIATION: Moskovskiy gosudarstvenny universitet (Moscow State University)

SUBMITTED: 10Jul64

ENCL: 00

SUB COME: MM; EM

NR REF Sov: 005

OTHER: 001

Card2/2

GP

GERS, Jerzy

Karst phenomena in the Tarnowskie Gory-Ładzionkow region. Przegl  
geol 11 no.2:108-110 F '63.

1. Instytut Geologiczny, Warszawa.

EFIMOV, Todorov, ZHUMADOVA, Nizel; DEREVA, Marila

Influence of sulfites added in the extraction of *Quercus* *conferta* and *Quercus sessiliflora* on the quantity of extracted tanning material and the quality of obtained extracts. Khim i Industriia 56 no. 32000-162.

GERSAHIV, L. I.

According to Protocol No. 1, of 1951, the USSR Ministry of Education confirms the following in the academic degree of Doctor of Science:

GRISHVILI, LEONID IVANOVICH WROTE THE DISSERTATION: "DOCTOR OF MEDICAL SCIENCES"  
on the basis of the defense, on 25 December, 1958 in the Soviet of the Tbilisi  
State Medical Institute, for the dissertation: "New Medicinal Agents from Vegetable  
Raw Materials in the Georgian SSR and Their Therapeutic Significance".

SO: Ministerstvo Vneshnei i Vneshneekonomicheskoi SSSR  
March 1959; 3765; 7, 7 August 1961, Unclassified

MANDZHAVIDZE, Z.Sh.; ROYNISHVILI, N.N.; GERSAMIYA, D.V.; KOZLOV, A.A.;  
KOTLYAREVSKIY, D.M.; PURTSELADZE, T.D.; TATALASHVILI, N.G.;  
SHTEMANETYAN, G.Z.

Lifetime of charge  $\sum \pm$  hyperons. Trudy Inst.fiz. AN Gruz.SSR  
8:125-129 '62. (MIRA 16:2)  
(Hyperons)

GERSAMIYA, G. K.: Second Moscow State Medical Inst imeni I. V. Stalin.

GERSAMIYA, G. K.: "Injuries to the ribs in transportation traumas." Second  
Moscow State Medical Inst imeni I. V. STALIN. Moscow, 1956.  
(Dissertation for the Degree of Candidate in Medical Sciences)

SO: KNizhnaya Letopis', No. 20, 1956.

GERSAMIYA, G.K.

Immediate and long-term results of complex treatment of cancer  
of the breast. Soob. AN Gruz. SSR 21 no. 5:611-616 N '58.  
(MIRA 12:5)

1. Ministerstvo zdravookhraneniya GruzSSR, Respublikanskiy  
onkologicheskiy dispanser. Predstavлено членом-корреспондентом  
Akademii I.Ya.Tatishvili.  
(BREAST--CANCER)

GERSAMIYA, G. K., Candidate of Med Sci (diss) -- "Clinical-morphological changes in cancer of the mammary gland after preoperative X-ray therapy". Tbilisi, 1959, published by the Acad Sci Georgian SSR. 23 pp (Tbilisi State Med Inst), 200 copies (KL, No 21, 1959, 119)

GERSAMIYA, G.K.; SHOLOKHOV, S.V.

Method for the determination of thyroid function in rats by  
means of radioactive iodine. Biul. eksp. i biol. med. 50  
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